

SPECIFICATION SHEET

VERSION 12,00 **VERSION DATE** 06/09/23 **PRINT DATE** 04/07/24

PRODUCT ALLYL ISOTHIOCYANATE
APPLICATIONS Industrial raw material not intended for direct use.
IUPAC NAME ALLYL ISOTHIOCYANATE, INHIBITED
SYNONYMS ALLYL ISORHODANIDE, ALLYL ISOSULFOCYANATE, ALLINAT

FORMULA C4 H5 N S
MOLECULAR WEIGHT 99,15
CAS 57-06-7

EINECS 200-309-2

FEMA 2034
TARIFF NUMBER 2930909838



FOOD GRADE CERTIFICATE AVAILABLE ON REQUEST
REACH REGISTRATION NO. Exempt from registration (according to article 2.5 of REACH)

SPECIFICATIONS

ASPECT AT 20°C CLEAR MOBILE LIQUID
COLOUR COLORLESS TO LIGHT YELLOW
ODOUR PUNGENT, MUSTARD, HORSE-RADISH
TASTE PUNGENT, SHARP, HORSE-RADISH
DENSITY AT 20°C (g / ml) 1,017 - 1,022
DENSITY 25/25 1,013 - 1,020
REFRACTIVE INDEX nD20 1,5290 - 1,5310
REFRACTIVE INDEX nD25 -
OPTICAL ROTATION (°) /
BOILING POINT (°C) 151 - 153 (1013 mbar)
MELTING POINT (°C) -80
FLASH POINT (°C) 46,00
ASSAY (% GC) > 98 (REFER TO OTHER TECHNICAL DATA POINT)
ACID VALUE (mg KOH/g) -
SOLUBILITY SOLUBILITY IN WATER: 1 g/L
VAPOUR PRESSURE 5,3 mbar (20°C); 7 kPa (50°C)
OTHER SOLUBILITIES 1:20 v/v ETHANOL 65 VOL.%

OTHER TECHNICAL DATA PROTECT FROM FROST, HEAT AND SUNLIGHT. USE OPEN CONTAINERS QUICKLY. IN THE ANALYSIS IT APPEARS AS TWO PEAKS WHICH ARE FORMED DUE TO TEMPERATURE ANALYSIS, FOR OBTAINING THE PURITY THEY HAVE TO BE ADDED. TBHQ IS TERT-BUTYLHYDROQUINONE.

STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 12 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.
CONTAINS 0,01% TOCOPHEROL. PURGE HEADSPACE WITH NITROGEN.

WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE. IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS.

THIS PRODUCT HAS NOT BEEN FILTERED DUE TO TECHNICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.